

Sinclair and Dyes Inlets Fecal Coliform TMDL
Community Advisory Committee
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Ecology's Role – ENVVEST Partnership with EPA, Naval Shipyard

- State authority to protect Water Quality (federal Clean Water Act)
- Review Navy Technical Design
- Reinforce TMDL Requirements
- Follow TMDL Public Process
- Represent State Interest in Water Quality

Water Quality Standards

Protect These Beneficial Uses

- **Shellfish Harvest**
- **Fishing**
- **Contact Recreation**
 - **Swimming**
 - **Boating**
- **Aquatic Life (Fish & Wildlife Habitat)**
- **Shoreline Development**
- **Commercial & Industrial Activity**
 - **Shipping**
 - **Marinas**
 - **Shipyards**



Sinclair and Dyes Inlets TMDL (Water Quality Improvement Plan) will include...

- **Goal -- increase areas open to shellfish harvest (& protect other uses)**
- **Technical Study – determine critical conditions and most important loading sources of bacteria**
- **Plan for reducing bacteria inputs – with input from Tribes & local organizations**

Update -- Sinclair and Dyes Inlets Fecal Coliform TMDL

- **Ecology's role -- Review Navy model – Define critical conditions for TMDL model runs**
- **Outcome of modeling – determine load allocations, wasteload allocations**
- **Implementation plan –**
 - **Requirements (stormwater permittees and municipal sewage treatment facilities)**
 - **Recommendations**

Implementation Plan – Nonpoint Sources

- **Current programs (Kitsap Health PIC) to address bacteria inputs to streams**
- **Further identify fecal coliform sources (BST)**
- **Shoreline sources – boats and marinas**
- **Better funding & programs to prevent/reduce spills/CSOs/replace aging sewer infrastructure**

Implementation Plan – Point Sources

- **Fecal coliform sources dictate strategies**
- **Stormwater as source/conveyor – Ecology's new stormwater permit for smaller municipalities**
- **Stormwater permittees will have permit requirements (Best Management Practices – EPA guidance)**
- **Wastewater treatment plants could have reduced effluent limits for bacteria**

Strategies, Methods for Reducing Fecal Coliform Inputs

- **Battelle – Sinclair Dyes Inlets FC TMDL Report**
- **Nonpoint action plans**
- **Ecology's Stormwater Manual, Volume IV, chapter 2**
- **Improved maintenance of stormwater infrastructure; education (Kitsap Health Dyes Inlet Centennial Grant project)**

Implementation Plan – Next Steps

- **September – October – Outline of strategy & process for developing a draft**
- **Ecology convenes an advisory workgroup**
- **Role of permittees**
- **Role of watershed organizations**
- **Requirements for stormwater permittees**
- **Additional recommendations supported by advisory workgroup**

Advisory Workgroup Composition & Mission

- Agencies with responsible role, Tribes
- Parties that will be regulated (Navy, Cities of Bremerton, Port Orchard, Bainbridge Island, Kitsap County, WWTPs)
- Interested organizations
- Review & Contribute to an Implementation Plan
- Meet Fall 2006 – Spring 2007